

CLAIMS

1. A media data transmission apparatus comprising:
a storage that stores content comprised of first data and second data;
5 a transmission manager which acquires the first data and the second data from the storage, and sets a shorter transmission cycle on the first data than a transmission cycle on the second data; and
a transmitter that transmits the first data and the
10 second data separately and repeatedly using the set transmission cycles,
wherein the first data is high-necessity data with a high degree of necessity, while the second data is low-necessity data with a low degree of necessity as
15 compared to the high-necessity data.
2. The media data transmission apparatus according to claim 1, wherein the transmission managing section determines at least one of the transmission cycle of the first data and the transmission cycle of the second data
20 based on a size of an area to which the first data is distributed or a size of an area to which the second data is distributed.
3. The media data transmission apparatus according to claim 1, wherein the second data has a larger information
25 amount than that of the first data.
4. The media data transmission apparatus according to claim 1, wherein the first data is data of summary

information of the content, while the second data is data of detailed information of the content.

5. The media data transmission apparatus according to claim 4, further comprising:

5 an electronic signature assigner that assigns an electronic signature to the data of the detailed information,
wherein the transmission manager has the function of assigning a public key certificate to the data of the
10 summary information.

6. The media data transmission apparatus according to claim 1, wherein the high-necessity data and low-necessity data is assigned an identifier that associates the high-necessity data with the low-necessity
15 data and then transmitted.

7. The media data transmission apparatus according to claim 2, wherein the first data is detailed map data of a transmission destination area, while the low-necessity data is rough map data of an area adjacent
20 to the transmission destination area.

8. A media data reception apparatus comprising:

 a transmitter that receives the first data and the second data transmitted from the media data transmission apparatus according to claim 1;

25 a storage manager that associates the first data received and the second data received with each other to store; and

an executor that executes predetermined processing using the second data and the first data associated with the second data.

9. The media data reception apparatus according to
5 claim 8, wherein operation is halted for receiving the first data or the second data in receiving the first data or the second data.

10. The media data reception apparatus according to claim 9, wherein after halting the operation for receiving
10 the first data or the second data, the halt of the operation for receiving is notified to a user.

11. A media data reception apparatus comprising:

a transmitter that receives the data of the summary information and the data of the detailed information
15 transmitted from the media data transmission apparatus according to claim 5;

an authentication section that acquires the public key certificate from the data of the summary information, and the electronic signature from the data of the detailed
20 information, and checks whether the detailed information is tempered using the public key certificate, the data of the detailed information and the electronic signature.

12. A media data reception method, comprising:

receiving the first data and the second data
25 separately transmitted from the media data transmission apparatus according to claim 1;

associating the first data received and the second

data received with each other to store; and

performing predetermined processing using the second data and the first data associated with the second data.

5 13. A media data reception method according to claim 12, wherein when the first data or the second data is received, operation is halted for receiving the first data or the second data.

14. The media data reception method according to claim
10 13, wherein after halting the operation for receiving the first data or the second data, the halt of the operation for receiving is notified to a user.

15. A content distribution system comprising:

a media data transmission apparatus having:

15 a storage that stores content comprised of first data and second data;

a transmission manager which acquires the first data and the second data, and sets a shorter transmission cycle of the first data than a transmission cycle on the second
20 data; and

a transmitter that transmits the first data and the second data separately and repeatedly using the set transmission cycles,

and a media data reception apparatus having:

25 a transmitter that receives the first data and the second data transmitted from the media data transmission apparatus;

a storage manager that associates the first data received and the second data received with each other to store; and

an executor that executes predetermined processing
5 using the second data and the first data associated with the second data,
wherein the first data is high-necessity data with a high degree of necessity, while the second data is low-necessity data with a low degree of necessity as
10 compared to the high-necessity data.